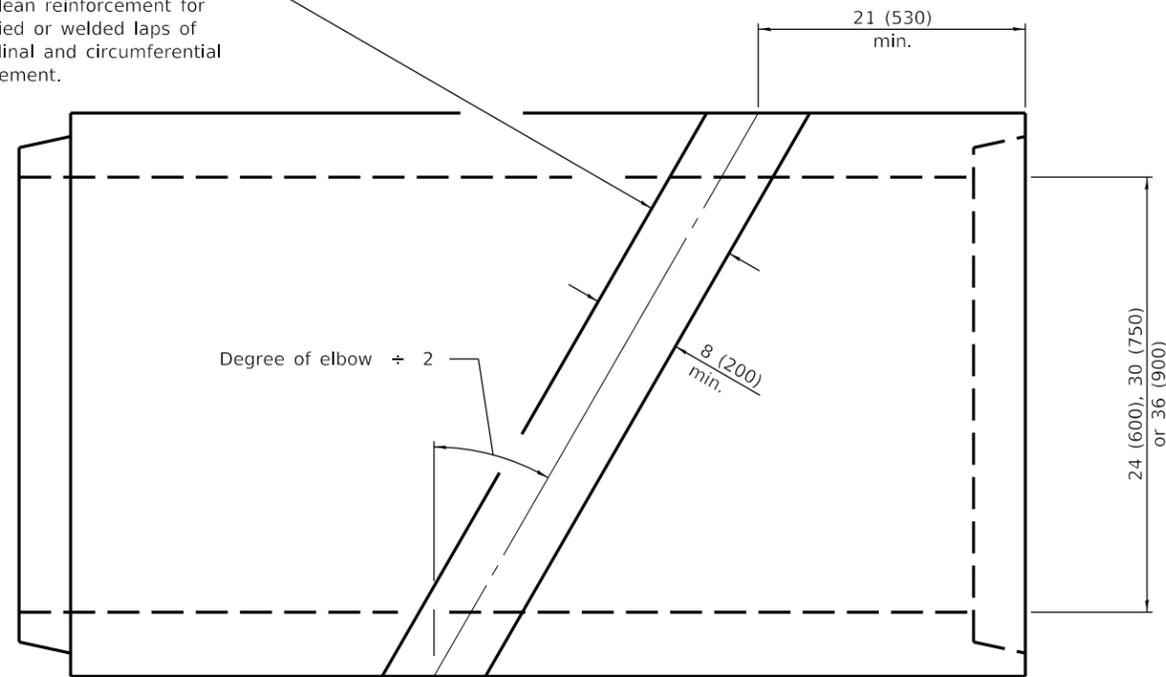
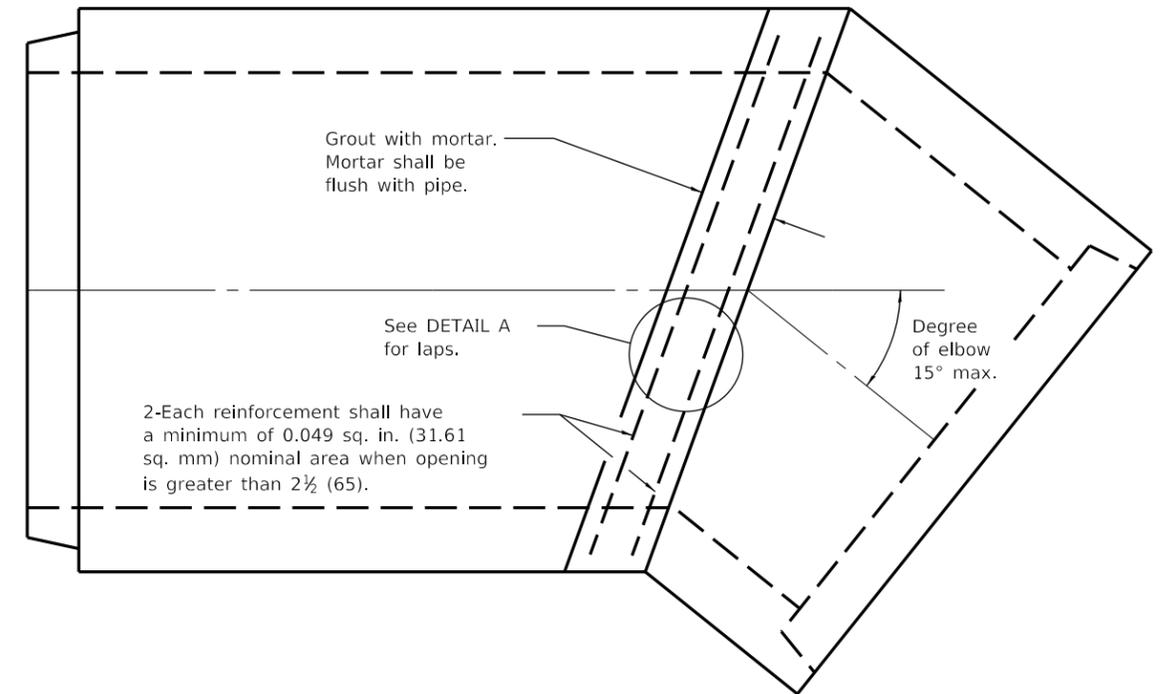


Remove concrete along these lines. Clean reinforcement for either tied or welded laps of longitudinal and circumferential reinforcement.

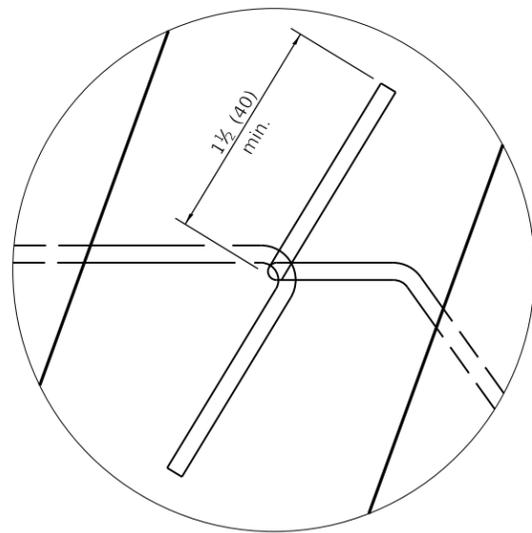


**PLAN**  
(Reinforced concrete pipe)

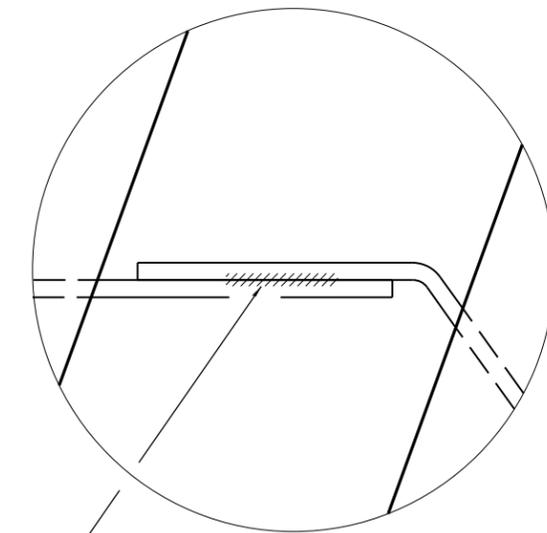
1½ (40) min., 2½ (65) max. (Tied lap)  
1½ (40) min., 6 (150) max. (Welded lap)



**PLAN**  
(Reinforced concrete pipe elbow)

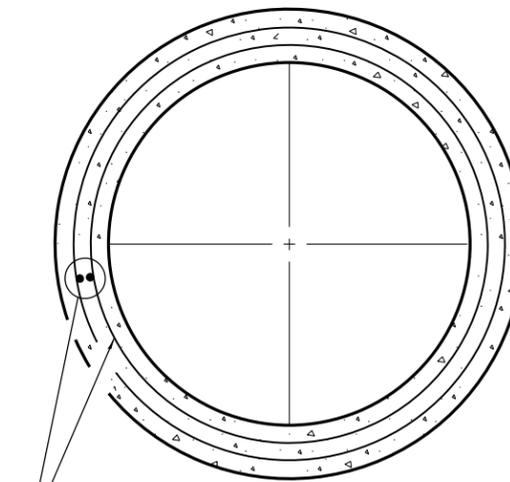


**TIED LAP**



¾ (20) min.  
For wire dia. W14 - W6 (10.72 - 7.01), length of weld shall be ¾ (20) min.  
For wire dia. W5.5 - W2.9 (6.73 - 4.88), length of weld shall be ¾ (10) min.  
Other wire dia. shall be tied per detail.

**WELDED LAP**



**TRANSVERSE SECTION**

All dimensions are in inches (millimeters) unless otherwise shown.

**DETAIL A**

Illinois Department of Transportation

PASSED January 1, 2011  
*Michael Brand*  
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011  
*Scott S. ...*  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-11	Corr. weld sym. on WELDED LAP det. Added pipe dia. to title. Set elbow to 15° max.
1-1-10	Corrected pipe diameter dimension lines.

**REINFORCED CONCRETE PIPE  
ELBOW 24", 30" OR 36"  
(600 mm, 750 mm OR 900 mm)**

**STANDARD 542601-03**